

GLENN COUNTY

2008 WMA Base Funding Work Plan

**Glenn County Department of Agriculture
Member of Colusa, Glenn and Tehama Weed Management Area**

Noxious Weed Control in Glenn County

January 1, 2009 – December 31, 2009

Contact Lead Group:

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Project timeline:

January 1, 2009 to December 31, 2009

All projects described in this work plan will be in one contract with Glenn County Department of Agriculture.

Project Objectives:

The Glenn County Department of Agriculture, a county partner in the Colusa, Glenn and Tehama Weed Management Area, will focus this year on eradicating and controlling four noxious weeds in different areas of Glenn County. To accomplish tasks as outlined below, Glenn County Department of Agriculture will be hiring two seasonal employees for this project. All members involved in the eradication and control of these noxious weeds will receive proper training regarding the safe and effective use of pesticides and supplemental training on GPS weed mapping procedures.

Perennial Pepperweed (*Lepidium latifolium*)

We will continue to survey known and new sites and continue to control perennial pepperweed. Many previous sites have been eradicated and unfortunately, new sites have been found. We will continue to work with our WMA partners as this weed is also found on The Nature Conservancy, California Department of Fish and Game, Sacramento National Wildlife Refuge and the United States Department of Fish and Game properties. Currently we have approximately 30 sites which consist of 50 net acres and 200 gross acres plus 10 miles of the Sacramento River (one side). We have been mapping and updating our computerized GPS maps of the location sites.

Whitetop (*Cardaria pubescens*)

We have approximately 6 sites in the Coast Range Mountains and 18 sites in the Sacramento Valley, all within Glenn County. We have not always had the resources to control and eradicate this noxious weed that consists of roughly 6 net acres and 60 gross acres. We recently discovered a large site of whitetop mixed in with a ground cover planted in a new orchard. This is an area we need to heavily monitor after treating. We will spray known locations of whitetop and will survey for additional locations. We will also need to map the locations with our GPS unit and perform follow up monitoring.

Silverleaf Nightshade (*Solanum elaeagnifolium*)

We have around 20 sites of this noxious weed which includes 10 net acres and 100 gross acres. Silverleaf nightshade is toxic to livestock and is mostly found in pastures in Glenn County as well as in orchards, dirt roadways and ditch banks. All sites will be treated, monitored and mapped.

Giant Reed (*Arundo donax*)

Although Arundo is found in most areas along Stony Creek, the only area we are concerned about in Stony Creek is near a bridge (on Road P). This bridge has been removed several times by high waters accompanied by the build up of Arundo. The Glenn County Public Works removed the Arundo in the immediate area upon the completion of the bridge a few years ago. We will continue to treat the young Arundo plants that take hold near the bridge.

Equipment:

We will use our current 4x4 truck currently set up for spraying which includes a 100 gallon tank and emergency wash tank. We will also need to update an existing spray tank and motor into a second unit that can be installed into one of our large trucks. We have one backpack sprayer but will need to acquire a second sprayer. Addition personal protective equipment will need to be purchased.

Mapping:

We have been entering weed locations into a GPS data base over the last year and will continue to do so with all new locations. We will submit the map to California Department of Food and Agriculture, California Invasive Plant Council and California Invasive Weeds Awareness Coalition.

Reporting:

A project report will be submitted at the completion of the contract and will include the following information: net acres or number of plants treated if less than 100 plants, gross area surveyed, control tools utilized, percent change between visits and photographs.

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